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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,800	10/19/2004	Bernard Hunt	GB 020049	4796

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EXAMINER

CHOW, JEFFREY J

ART UNIT	PAPER NUMBER
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2672

DATE MAILED: 02/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/511,800

Applicant(s)

HUNT, BERNARD

Examiner

Jeffrey J. Chow

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 10/511800, filed on 19 October 2004.

Specification

The abstract of the disclosure does not commence on a separate sheet in accordance with 37 CFR 1.52(b)(4). A new abstract of the disclosure is required and must be presented on a separate sheet, apart from any other text.

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text are permitted to be submitted on compact discs.) or
REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
- (f) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.

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- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

The disclosure is objected to because there are no headings to distinguish between each section.

The disclosure is objected to because there is no Figure 2 (page 4, line 8). Suggestion is made to replace "Figure 2" with "Figure 2A and 2B".

Appropriate correction is required.

Claim Objections

Claim 5 is objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend on other multiple dependent claims. See MPEP § 608.01(n). Accordingly, the claim has not been further treated on the merits.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 – 4 and 6 – 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Buxton (Patent # 6,115,025) in view of Kianl (Patent # 6,658,276).

Regarding independent claim 1, Buxton discloses a display 12 that displays a work image, such as art work, documents, photographs, graphics, etc., on which a user is working (column 4, 12 – 14 and Figure 1), which reads on the claimed electronic device including an electronic display comprising a screen and circuitry for providing display data to the screen. Buxton also discloses the change in orientation of the user interface with respect to the change in orientation of the display where the user interface remains upright relative to the user and because of this, Buxton's system can cover all angles and have different orientations and display mode for all angles (column 4, lines 26 – 65 and abstract), which read on the claimed circuitry being operable in at least two modes, the claimed first mode in which display data is provided to the screen for viewing in a first orientation, and the claimed second mode in which display data is provided to the screen for viewing in a second, orthogonal, orientation. However, Buxton does not explicitly disclose in details of how images and displayed data are to be reoriented during the rotation. Kianl discloses a display that has two modes where the first mode have several images where at least one of the images takes up a substantial portion of the screen (Figure 11A), and another mode that is orthogonal to the first mode by a rotation along the

normal of the display screen and not a rotation made other than the rotation along the normal of the display screen (such as a rotation made along on an axis that is parallel to the plane of the display screen), where the images are repositioned in the another mode, which is orthogonal to the first mode by a rotation along the normal of the display screen, and where the images are on top of each other in a non-overlapping manner and taking up a substantial amount of the width of the display screen (Figures 11A and 11B). It would have been obvious for one of ordinary skill in the art at the time of the invention to modify Buxton's system with Kianl's teachings of repositioning images and displayed data when rotation has occurred to display images in an effective manner where data loss due to rotation and images being larger either in width or height of the screen would not occur, which allows the system to display all the information that were original on the screen in any mode or orientation without any data loss.

Regarding independent claim 6, see the description of the prior arts above.

Regarding dependent claims 2 and 3, Buxton did not explicitly disclose the specific aspect ratio of 16:9 and 1.4:1 but Buxton did disclose rotating any screen with any resolution as the invention was not limited to a design choice. It would have been obvious for one of ordinary skill in the art at the time of the invention to modify Buxton's system with any given aspect ratio because this is what Buxton discloses and because this is what Buxton's system can do.

Regarding dependent claims 4 and 7, Kainl discloses the images in the landscape mode to be right on top of each other in portrait mode, where the portrait mode is the second orientation (Figure 5A and 5B), which reads on the claimed second and third images are provided one above the other and occupy substantially the full width of the screen in the second orientation.

Regarding dependent claim 8, Buxton discloses the operation of switching display mode is automatic that is dependent on the orientation of the display screen (column 5, lines 25 – 51), which reads on the claimed step of determining whether to display according to a first or second mode of operation is carried out automatically in dependence of the display data.

Regarding dependent claim 9, Kianl discloses the user that can toggle the display mode by using the rotate soft key icon 868 (column 5, lines 57 – 60), which reads on the claimed step of determining whether to display according to a first or second mode of operation comprises receiving an instruction from a user of the device.

Examiner will note that inventor for patent number 6,658,276 is misspelled and the examiner uses the misspelled name of the inventor for this office action. The actual spelling of the inventor's name is "Kiani". For clarifications, the misspelled name, "Kianl", of the inventor's name for patent number 6,658,276 will be used for this office action as it appears on the patent number 6,658,276 that is not corrected, but noted in the corrections at end of the patent.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey J. Chow whose telephone number is (571)272-8078. The examiner can normally be reached on Monday - Friday 10:00AM - 5:00PM (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ulka Chauhan can be reached on (571)-272-7782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


ULKA CHAUHAN
SUPERVISORY PATENT EXAMINER